

# **SNOQUALMIE WATERSHED FORUM**

## **COOPERATIVE WATERSHED MANAGEMENT GRANT AWARDS IN 2017**

Presented to the Snohomish Watershed Forum

by

Elissa Ostergaard, Salmon Recovery Manager, Snoqualmie Watershed Forum

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# 2017 King County Flood District Cooperative Watershed Management (CWM) Grant Allocation

KC Flood District CWM Grant Awards  
to King County WRIAs  
\$4.39 M



Snoqualmie Forum  
\$872,286

WRIA 8  
\$1.64 M

WRIA 9  
\$1.64 M

WRIA 10  
\$226,100



## 2017 CWM Grant Funding

CWM Funding Available	\$ 872,286
<u>Total Grant Requests</u>	<u>-\$ 1,346,908</u>
<b>2017 Grant Shortfall</b>	<b>(\$474,622)</b>

- 19 applications submitted by 14 project sponsors



## 2017 CWM Grant Process

- Pre-Applications Submitted – February
- Project Review Committee reviewed
- Final Applications – March 28
- Project Presentations – April 20
- Project Review Committee Meeting – May 1
- Forum Allocation Decision – May 17
- Approved by KC Flood Control District Executive Committee – August 21, 2017



# Project Ranking

## Project Review Committee:

- Tulalip and Snoqualmie Tribes
- Cities of North Bend, Carnation, Snoqualmie
- King County
- Snoqualmie Watershed Forum staff

## Ranking Criteria

### 1. Benefit to Salmon and Watershed Health

- High priority habitat & watershed process efforts
- Actions in salmon, water quality, protection and flood plans
- Benefits to ESA-listed species
- Reasonable costs

### 2. Certainty of Success



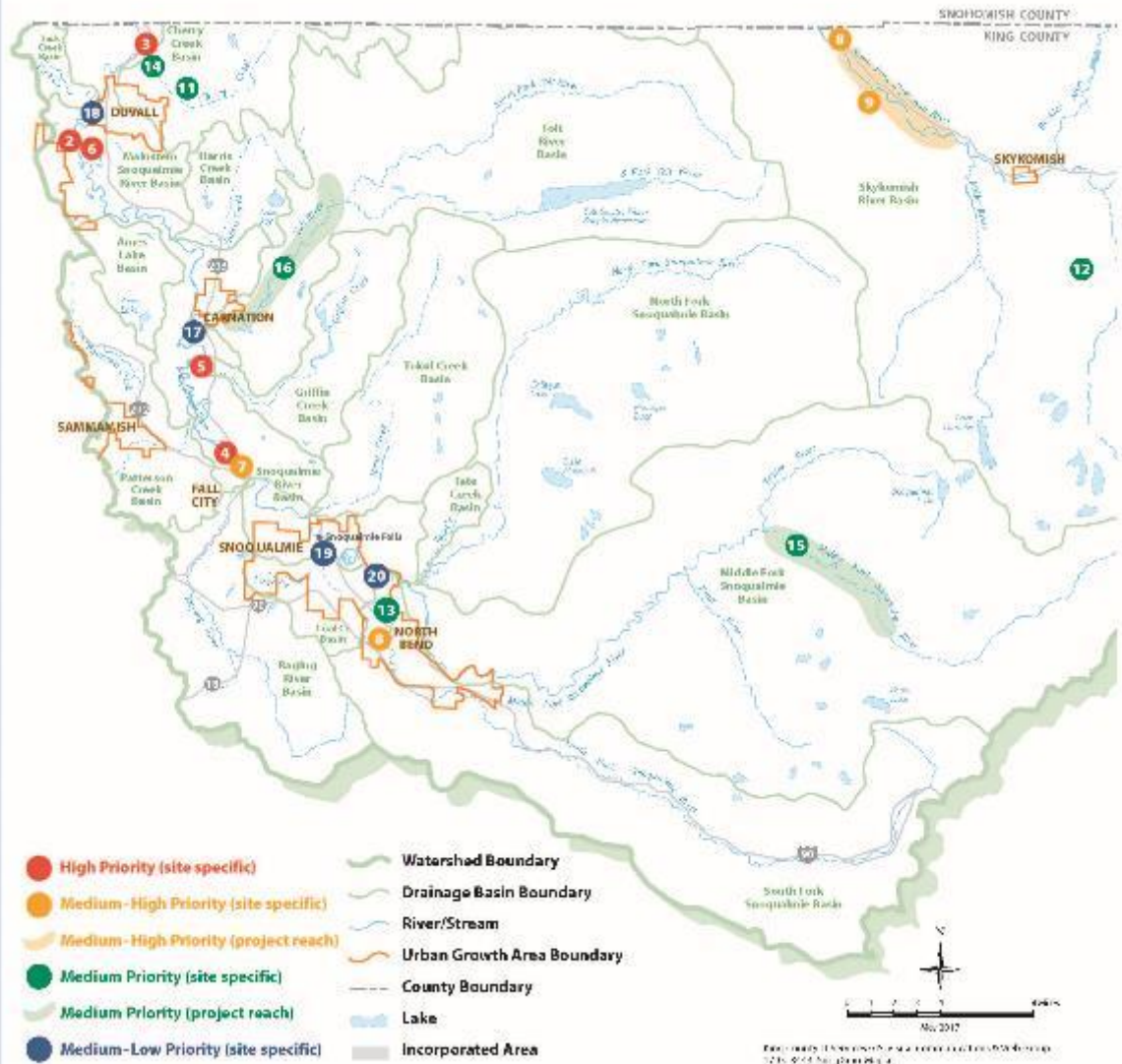
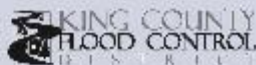
# Project Map

## Snoqualmie/South Fork Skykomish Watersheds

2017 Cooperative Watershed Management (CWM) Grant Proposals:  
Snoqualmie Watershed Forum's Project Review Committee  
Preliminary Ranking

- 1 2018 Snoqualmie Project Assistance<sup>2</sup>
- 2 Tulalip Tribes Snoqualmie Juvenile Screw Trap
- 3 Cherry Creek Phase I
- 4 Upper Carlson Fish Monitoring
- 5 Griffin Creek Riparian Restoration
- 6 Wallace Acres
- 7 Fall City Farms
- 8 Baring North Acquisition
- 9 South Fork Skykomish Riparian Health
- 10 Snoqualmie Valley Watershed Education<sup>2</sup>
- 11 North Fork Cherry Creek
- 12 Using Nuisance Beaver to Restore Salmon Habitat
- 13 Meadowbrook Farm Forest
- 14 Cherry Creek Phase II/III Permits
- 15 Middle Fork Snoqualmie Temperature Study
- 16 Tolt River Survey and Riparian Restoration Phase II
- 17 Snoqualmie Springs Farm
- 18 Snoqualmie Riverbank Habitat Restoration
- 19 Snoqualmie Knotweed
- 20 Three Forks Natural Area

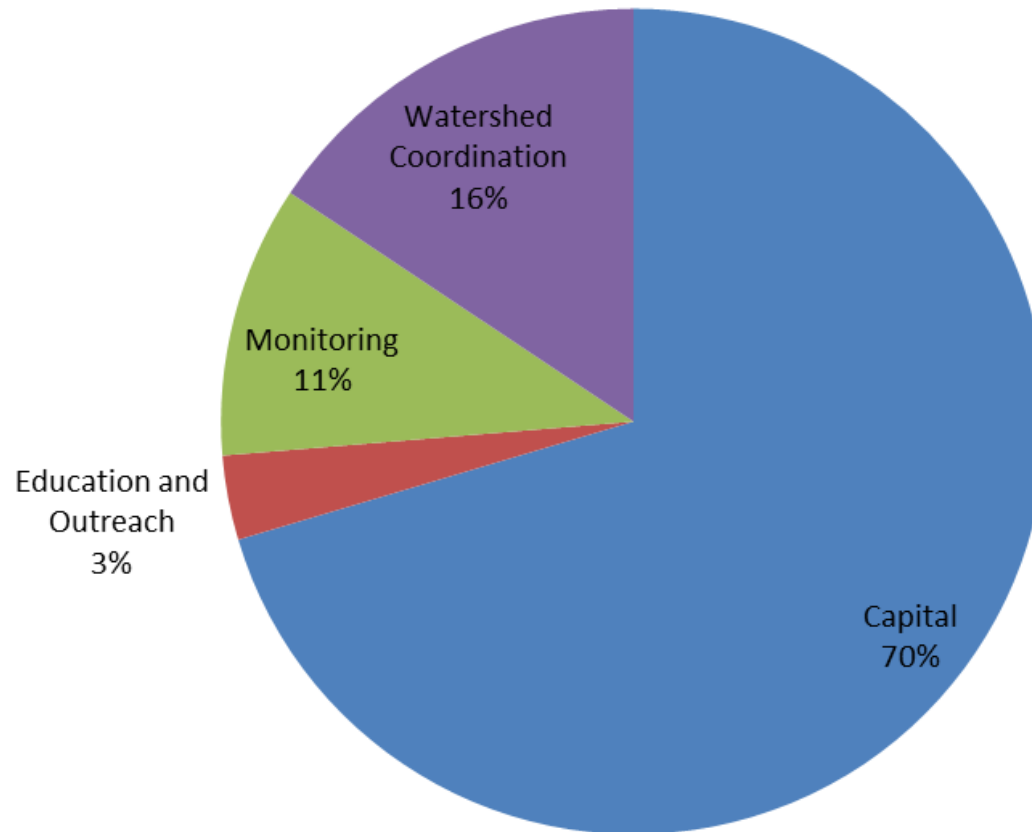
<sup>2</sup> These proposals involve multiple sites or watershed-wide actions so they are not shown on this map.



For a complete list of projects, please refer to the project list on page 12 of the project list.

**2012-2016**

**CWM Funding**



# GRANT AWARD HIGHLIGHTS

## Capital Projects





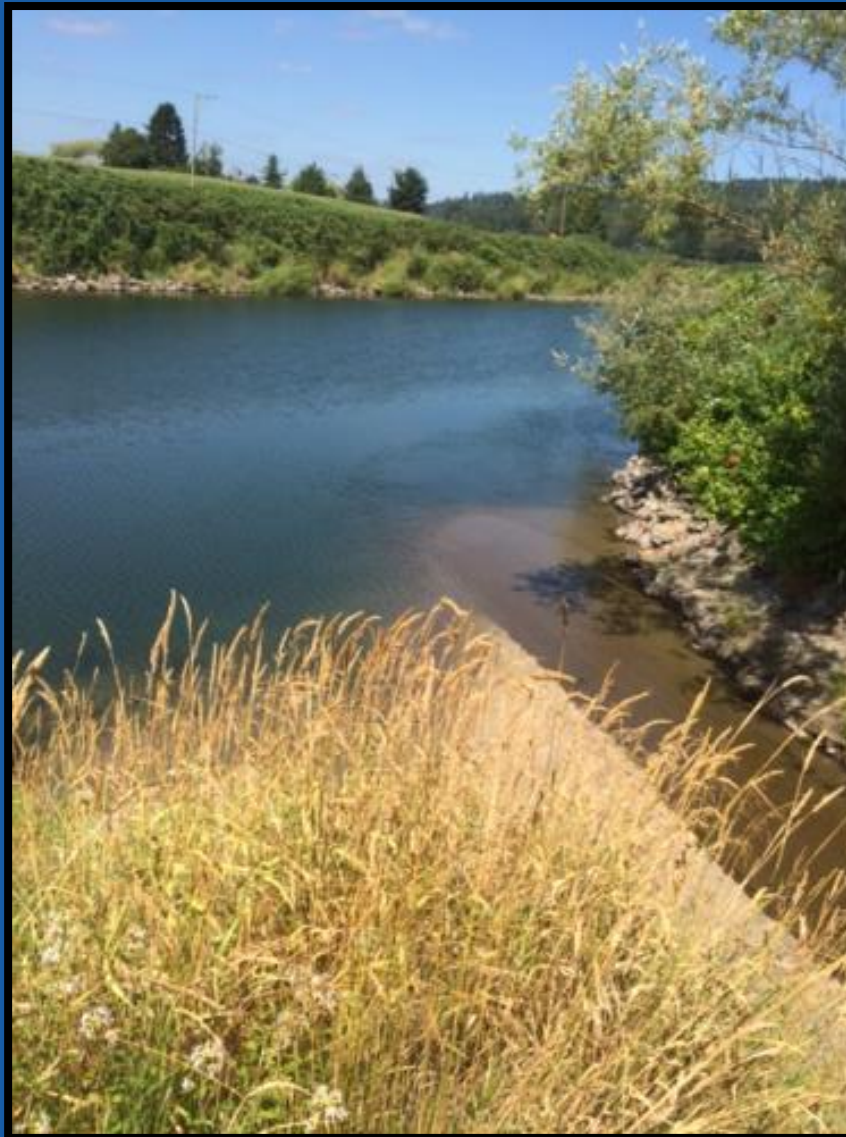
### 3) Cherry Creek Phase I

Sponsored by Sound Salmon Solutions

Grant Award: \$75,000

Leveraged Funds: \$30,000





## KEY PROJECT ELEMENTS

- Soil unusable for a farm pad and need to find disposal site
  - Cost increase due to hauling costs



## 7) Fall City Farms

Sponsored by Snoqualmie Indian Tribe

Grant Award: \$81,157

Leveraged Funds: \$39,417



## FALL CITY FARMS FLOODPLAIN HABITAT ENHANCEMENT

King County, Washington, WRIA 7-Snohomish, Fall City, WA, Snoqualmie River Watershed



0 150 300 600 Feet



ENVIRONMENTAL AND NATURAL RESOURCES  
DEPARTMENT  
WATERSHED RESTORATION PROGRAM

### Legend

- Main River Buffer Area
- Tributary Buffer Area
- Forested Wetland Buffer Area
- Fall City Park Project Site
- Conifer Underplanting ( 0.79 acres )
- Knotweed Infestations ( 1.7 acres )

## KEY PROJECT ELEMENTS

- Restore 14 acres of floodplain riparian habitat



## 8) Baring North Acquisition

Sponsored by Forterra

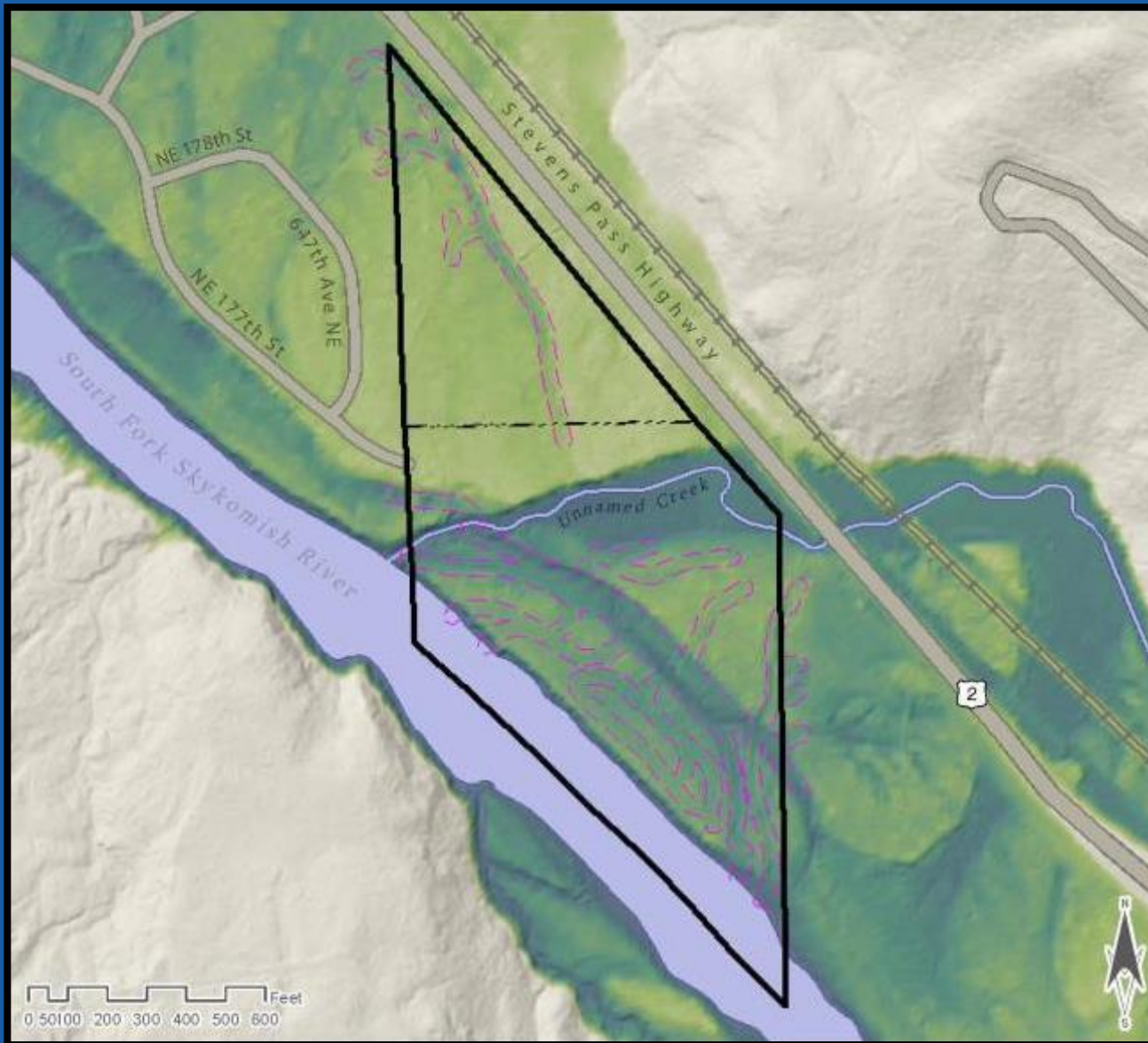
Grant Award: \$75,000\*

Leveraged Funds: \$477,294

\*partial funding







## KEY PROJECT ELEMENTS

- Acquisition for 26 acres of high quality salmon habitat along the South Fork Skykomish



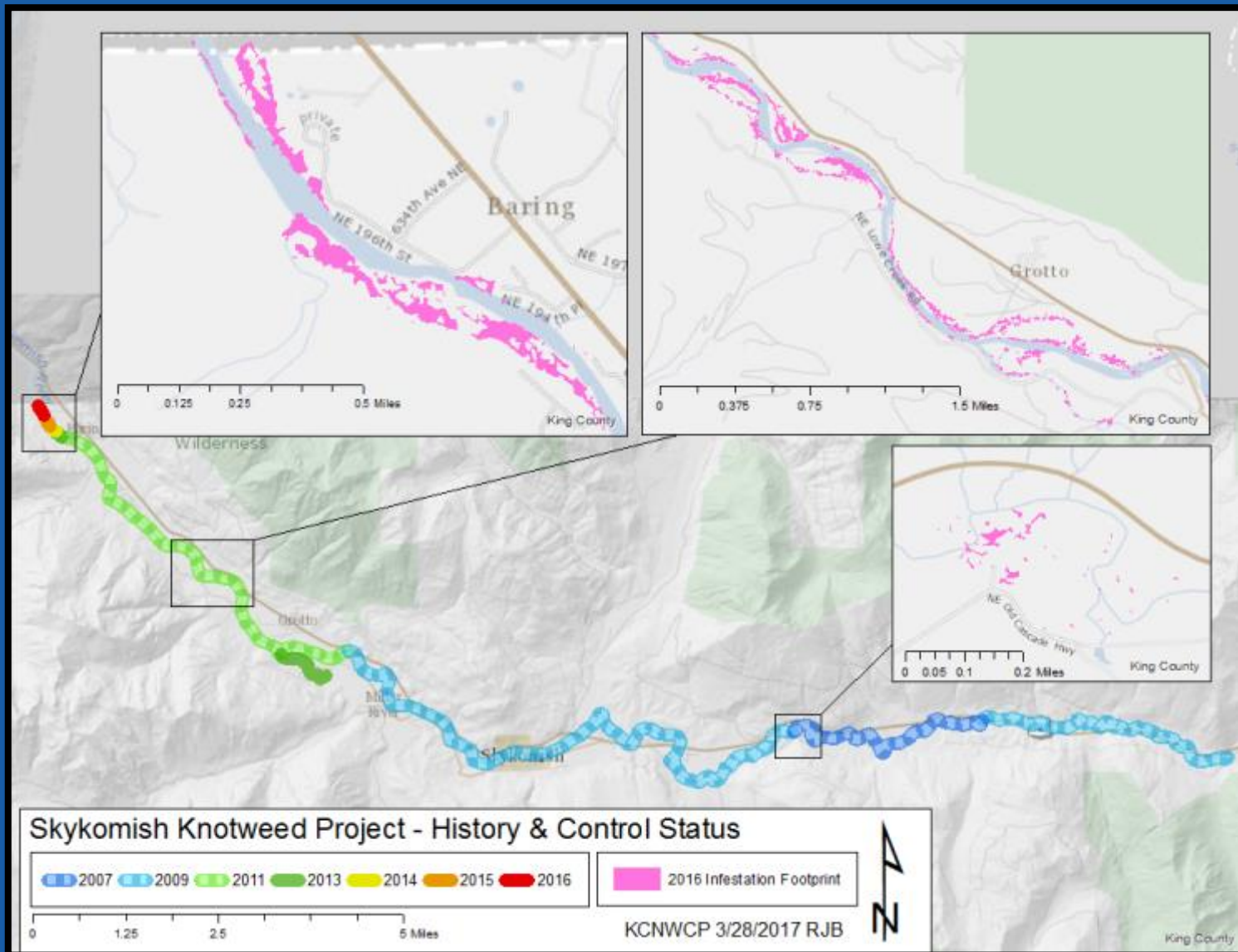
## 9) South Fork Skykomish Riparian Health

Sponsored by King County Noxious Weeds

Grant Award: \$70,000

Leveraged Funds: \$38,031





## KEY PROJECT ELEMENTS

- Include 3.7 acres of previously untreated knotweed
- Continue to survey and control knotweed in the previously treated 22.5 miles
- Plant 1,000 native plants along 5,000 feet of shoreline





# 12) Using Nuisance Beaver to Restore Salmon Habitat

Sponsored by Tulalip Tribes

Grant Award: \$64,512

Leveraged Funds: \$63,634





## KEY PROJECT ELEMENTS

- Trap 5-10 nuisance beaver families from the Snoqualmie lowland areas and relocate them to headwaters
- Improve instream salmon habitat and hydrologic connections in US Forest Service lands



# GRANT AWARD HIGHLIGHTS

## Monitoring Projects



## 2) Snoqualmie River Juvenile Salmon Outmigration Monitoring

Sponsored by Tulalip Tribes

Grant Award: \$60,000

Leveraged Funds: \$48,002







## KEY PROJECT ELEMENTS

- Provides ongoing status, trends and abundance monitoring needed to support run forecasting, and is a quintessential indicator of successful salmon recovery monitoring in the Snohomish Basin.



## 4) Upper Carlson Fish Monitoring

Sponsored by King County ERES

Grant Award: \$28,431

Leveraged Funds: \$-





## KEY PROJECT ELEMENTS

- Monitor fish density in edge habitats in and around the Carlson levy project
- Estimate changes in habitat capacity as a result of this restoration effort



# GRANT AWARD HIGHLIGHTS

Education and Outreach





# 10) Snoqualmie Valley Watershed Education

Sponsored by NatureVision

Grant Award: \$17,354

Leveraged Funds: \$5,745





## KEY PROJECT ELEMENTS

- Education, field trips and small scale restoration projects to 13 classes in the Snoqualmie Valley School district



# Questions?



# 2017 Project Review Committee

## Committee Membership

- Matt Baerwalde– Snoqualmie Tribe
- Nicole Sanders– City of Snoqualmie
- Tim Woolett – City of Carnation
- Jamie Burrell – City of North Bend
- Colin Wahl– Tulalip Tribes
- Josh Kubo – King County
- Perry Falcone – Snoqualmie Forum Staff



# Ranking Criteria

## Certainty of Success

- Appropriate project goals and approach
- Correct project sequence
- Time sensitive project
- Stewardship elements
- Landowner involvement
- Community support
- Qualified implementation organization



# Projects not funded

Priority	Project	Applicant	Subbasin	Request
Medium	Cherry Creek Phase II/III Permits	Sound Salmon Solutions	Rural Stream Primary	\$ 50,000
Medium	Middle Fork Snoqualmie Temperature Study	King County Science	Above the Falls	\$ 25,000
Medium	Tolt River Survey and Riparian Restoration Phase II	Sound Salmon Solutions	Mainstem – Tolt	\$ 58,453
Medium-low	Snoqualmie Springs Farm	Ducks Unlimited	Mainstem - Snoqualmie	\$ 120,933
Medium-low	Snoqualmie Riverbank Habitat Restoration	City of Duvall	Mainstem - Snoqualmie	\$ 30,000
Medium-low	Snoqualmie Knotweed	King County Noxious Weeds	Above the Falls	\$ 98,658
Medium-low	Three Forks Natural Area	Mountains to Sound Greenway Trust	Above the Falls	\$ 60,180





## 5) Griffin Creek Riparian Restoration

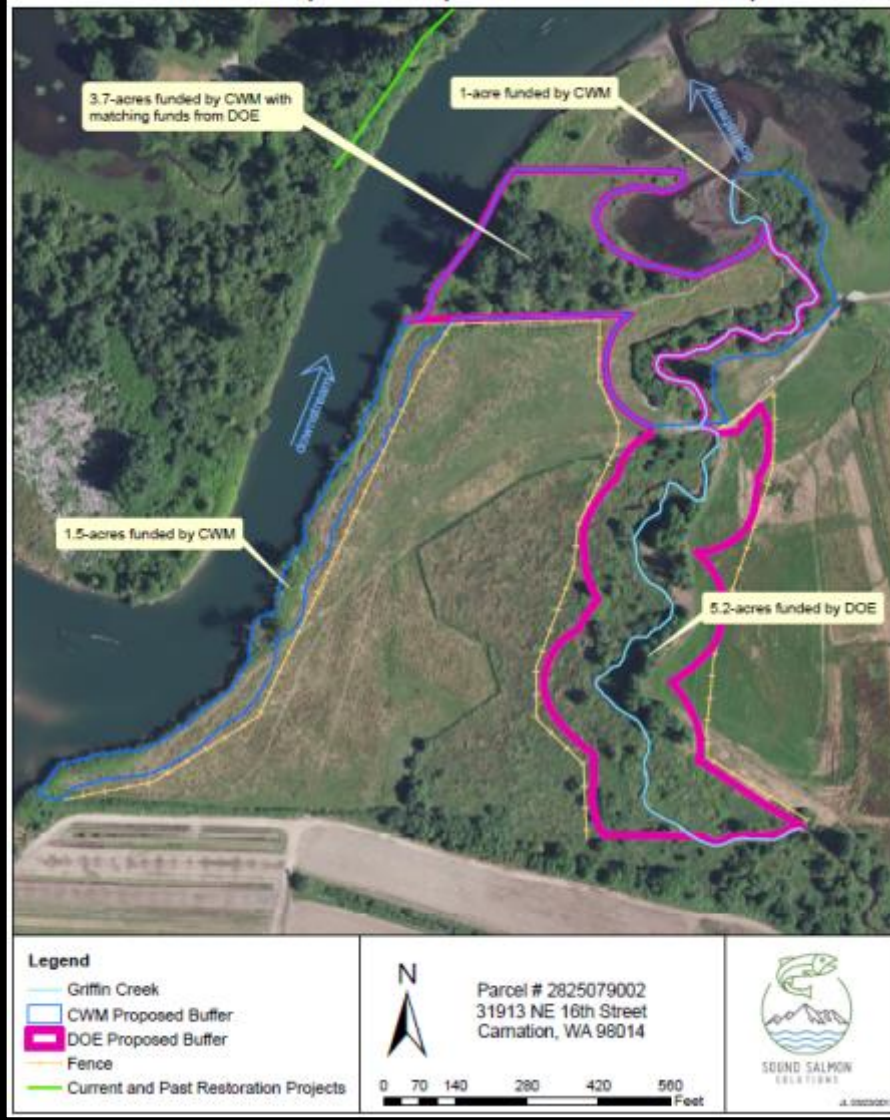
Sponsored by Sound Salmon Solutions

Grant Award: \$99,898

Leveraged Funds: \$5,000



## Griffin-Snoqualmie Riparian Restoration Map



### KEY PROJECT ELEMENTS

- 6.2 acres of riparian restoration along the mainstem Snoqualmie River and Griffin Creek
- Done in conjunction of Ecology planting grant along Griffin Creek for a total of 11.4 acres





## 6) Wallace Acres Phase III

Sponsored by Stewardship Partners

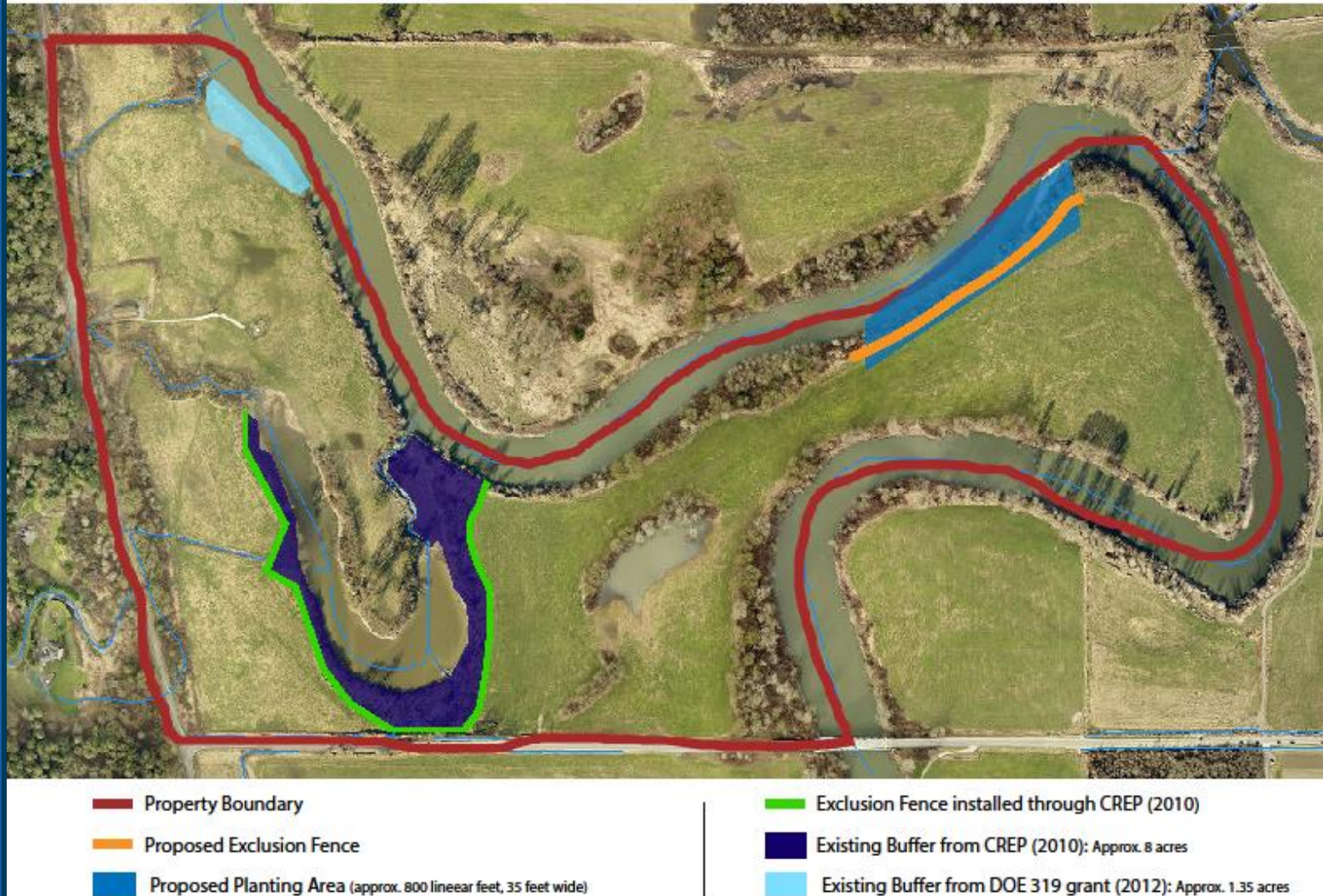
Grant Award: \$29,586

Leveraged Funds: \$5,000



# Wallace Acres

## Proposed Work CWM WRIA7 FY2017 & Historical Work



### KEY PROJECT ELEMENTS

- Plant 800 linear feet of Snoqualmie mainstem for a total of .64 acers
- Install 800 linear feet of livestock exclusion fencing



# 11) North Fork Cherry Creek

Sponsored by Wild Fish Conservancy

Grant Request: \$99,033

Total Match: \$126,500







## KEY PROJECT ELEMENTS

- Design and permit replacement of two culverts that are causing fish passage and flooding issues



## 13) Meadowbrook Farm Forest

Sponsored by Mountains to Sound Greenway Trust

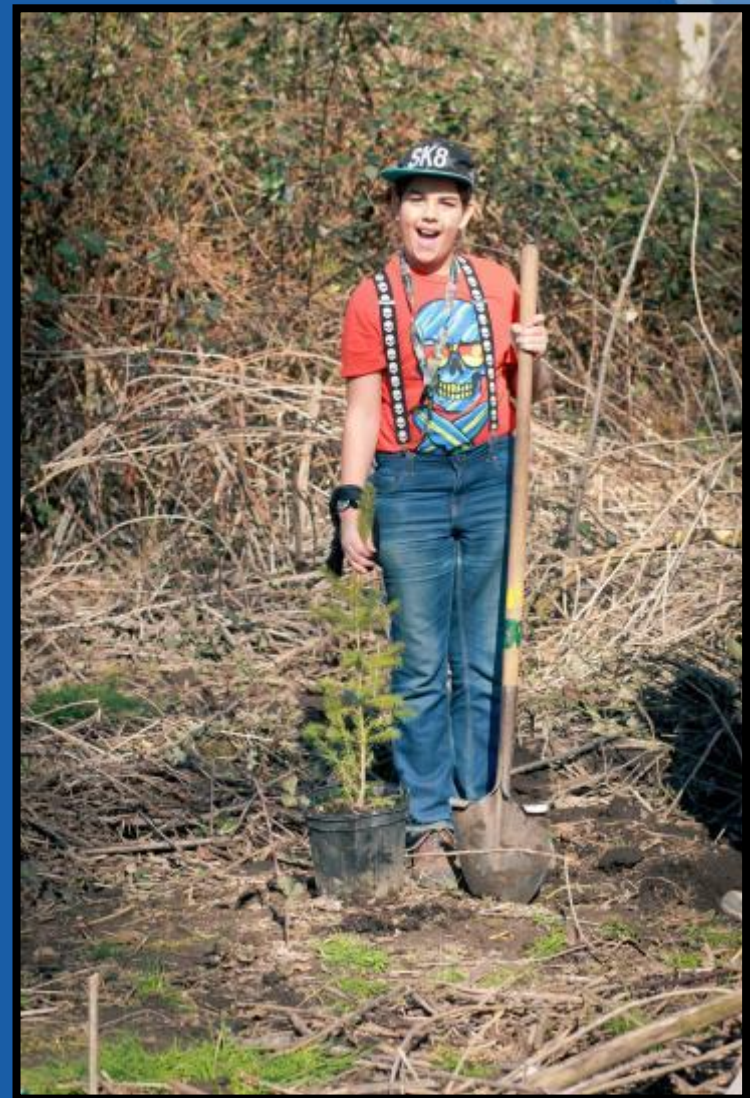
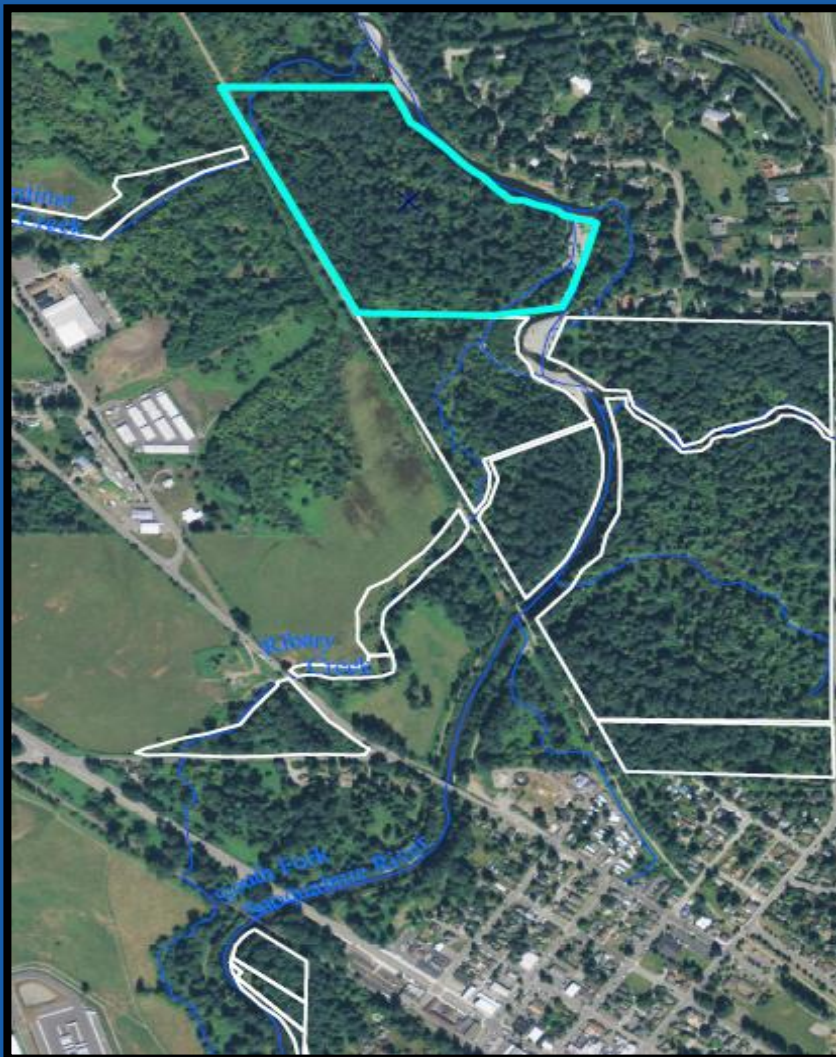
Grant Request: \$57,015\*

Total Match: \$11,000

\*partial funding recommended







## KEY PROJECT ELEMENTS

- Restore 32 acres of Meadowbrook Farm Forest through invasive removal and installation of native conifers.

